AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of the claims in the application.

Claim 1. (Currently Amended) A copyright protection method comprising the steps of:

adding on a transmitting side additional information for copyright protection to a first information signal and a second information signal, said first information signal and said second information signal being mutually associated and independently usable, and outputting the first information signal and the second information signal with the additional information; ~~and~~

controlling on a receiving side a copyright protection operation on at least one of the first information signal and the second information signal based on the additional information added to the first information signal and the additional information added to the second information signal;

superimposing on the transmitting side the additional information on each of the first information signal and the second information signal as digital watermark information; and

overwriting on the receiving side only the additional information superimposed on the second information signal when the additional information added to the first information signal and

the additional information added to the second information signal are to be updated.

Claim 2. (Previously Presented) The copyright protection method according to claim 1, further comprising the steps of:

inserting on the transmitting side, relating information to the additional information added to the first information signal and to the additional information added to the second information signal, said relating information for relating the additional information added to the first information signal to the additional information added to the second information; and

determining on the receiving side whether the first information signal is related to the second information signal by checking the relating information added to the first information signal against the relating information added to the second information signal.

Claim 3. (Cancelled).

Claim 4. (Cancelled).

Claim 5. (Currently Amended) An information signal processing system comprising:

an information signal output apparatus for outputting a first information signal and a second information signal, said first

information signal and said second information signal being mutually associated and which are independently usable; and

an information signal processing apparatus for processing the first information signal and the second information signal output from said information signal output apparatus, wherein

said information signal output apparatus includes:

first additional-information generating means for generating first additional information for copyright protection to be added to the first information signal;

first additional-information addition means for adding the first additional information generated from said first additional-information generating means to the first information signal;

second additional-information generating means for generating second additional information for copyright protection to be added to the second information signal;

second additional-information addition means for adding the second additional information generated from said second additional-information generating means to the second information signal; and

information signal output means for outputting the first information signal having the first additional information and the second information signal having the second additional information, and wherein

said information signal processing apparatus includes:

first additional-information extraction means for extracting the first additional information from the first information signal output from said information signal output apparatus;

second additional-information extraction means for extracting the second additional information from the second information signal output from said information signal output apparatus; and

control means for controlling a copyright protection operation on at least one of the first information signal and the second information signal based on the first additional information and the second additional information extracted by said first additional-information extraction means and said second additional-information extraction means, respectively, wherein

in said information signal output apparatus, said first additional-information addition means superimposes the first additional information generated from said first additional-information generating means on the first information signal as digital watermark information, and said second additional-information addition means superimposes the second additional information generated from said second additional-information generating means on the second information signal as digital watermark information, and wherein

in said information signal processing apparatus, said control means overwrites only the second additional information superimposed on the second information signal when the first additional information and the second additional information are to be updated.

Claim 6. (Currently Amended) The information signal processing system according to claim 5, wherein said information signal output apparatus further comprises relating-information generating means for generating relating information for relating the first additional information to be added to the first information signal to the second additional information to be added to the second information signal, and

wherein, in said information signal output apparatus, said first additional-information addition means adds the relating information generated from said relating-information generating means to the first information signal, and said second additional-information addition means adds the relating information to the second information signal; and wherein, in said information signal processing apparatus, said first additional-information extraction means extracts the relating information ~~superimposed~~ added on the first information signal from the first information signal, said second additional-information extracting means extracts the relating information ~~superimposed~~ added on the second information

signal from the second information signal, and said control means determines whether the first information signal and the second information signal are related to each other by checking the relating information extracted by said first additional-information extraction means against the relating information extracted by said second additional-information extraction means.

Claim 7. (Cancelled).

Claim 8. (Cancelled).

Claim 9. (Currently Amended) An information signal output apparatus for outputting a first information signal and a second information signal, said first information signal and said second information signal being mutually associated with each other and which are independently usable, said information signal output apparatus comprising:

first additional-information generating means for generating first additional information for copyright protection to be added to the first information signal;

first additional-information addition means for adding the first additional information generated from said first additional-information generating means to the first information signal;

second additional-information generating means for generating second additional information for copyright protection to be added to the second information signal;

second additional-information addition means for adding the second additional information generated from said second additional-information generating means to the second information signal; and

information signal output means for outputting the first information signal having the first additional information and the second information signal having the second additional information, wherein

said first additional-information addition means superimposes the first additional information generated from said first additional-information generating means on the first information signal as digital watermark information, and said second additional-information addition means superimposes the second additional information generated from said second additional-information generating means on the second information signal as digital watermark information, and wherein

the first information signal comprises a video signal, and the second information signal comprises an audio signal, and, when the first information signal and the second information signal are allowed to be copied for one generation, said first additional-information generating means generates the first additional information indicating that copying is not allowed for further generations, said second additional-information

generating means generates the second additional information indicating that copying is allowed for one generation, and said information signal output means outputs said first information signal having the first additional information and said second information signal having the second additional information.

Claim 10. (Previously Presented) The information signal output apparatus according to claim 9, further comprising relating-information generating means for generating relating information for relating the first additional information to be added to the first information signal to the second additional information to be added to the second information signal, wherein said first additional-information addition means adds the relating information generated from said relating-information generating means to the first information, and said second additional-information addition means adds the relating information generated from said relating-information generating means to the second information signal.

Claim 11. (Previously Presented)The information signal output apparatus according to claim 9, wherein said first additional-information generating means generates copying control information as the first additional information, and said second additional-information generating means generates copying control information as the second additional information.

Claim 12. (Cancelled).

Claim 13. (Cancelled).

Claim 14. (Previously Presented) The information signal output apparatus according to claim 9, wherein said first additional-information addition means and said second additional-information addition means add the first additional information and the second additional information, respectively, so that information for copyright protection for both the first information signal and the second information signal is distinguishable from information for copyright protection for each of the first information signal and the second information signal, separately.

Claim 15. (Previously Presented) The information signal output apparatus according to claim 9, wherein said information signal output means records the first information signal and the second information signal on a recording medium.

Claim 16. (Previously Presented) The information signal output apparatus according to claim 9, further comprising reading means for reading the first information signal having the first additional information superimposed and the second information

signal having the second additional information superimposed from a recording medium.

Claim 17. (Cancelled).

Claim 18. (Cancelled).

Claim 19. (Cancelled).

Claim 20. (Cancelled).

Claim 21. (Previously Presented) An information signal processing apparatus for processing a first information signal and a second information signal, said first information signal and said second information signal being mutually associated and independently usable, having first additional information and second additional information, respectively, for copyright protection, said information signal processing apparatus comprising:

first additional-information extraction means for extracting the first additional information added to the first information signal;

second additional-information extraction means for extracting the second additional information added to the second information signal; and

control means for controlling a copyright protection operation on at least one of the first information signal and the second information signal based on the first additional information and the second additional information extracted by said first additional-information extraction means and said second additional-information extraction means, respectively, wherein

the first information signal and the second information signal contain copying control information as the first additional information and the second additional information, respectively, and said control means performs a copying control operation on at least the first information signal and the second information signal based on the copying control information of one of the first and second additional information which provides a greater restriction the copying operation more tightly than the copying control operation of the other additional information,and

the first additional information and the second additional information are added to the first information signal and the second information signal, respectively, as digital watermark information, said first additional-information extraction means extracts the first additional information superimposed on the first information signal as the digital watermark information, and said second additional-information extraction means extracts the second additional information superimposed on the second information

signal as the digital watermark information, said information signal processing apparatus further comprises additional-information overwriting means for overwriting only one of the first additional information and the second additional information.

Claim 22. (Previously Presented) The information signal processing apparatus according to claim 21, wherein the first additional information and the second additional information contain relating information for relating the first additional information to the second additional information, said first additional-information extraction means extracts the relating information superimposed on the first information signal from the first information signal, said second additional-information extraction means extracts the relating information superimposed on the second information signal from the second information signal, and said control means determines whether the first information and the second information are related to each other by checking the relating information extracted by said first additional-information extraction means against the relating information extracted by said second additional-information extraction means.

Claim 23. (Cancelled).

Claim 24. (Currently Amended) The information signal processing apparatus according to claim ~~23~~ 21, further comprising:

first signal detection means for detecting presence of the first information signal; and

second signal detection means for detecting presence of the second information signal,

wherein said control means performs the copying control operation on at least one of the first information signal and the second information signal based on a detection output from said first signal detection means, a detection output from said second signal detection means, an extraction output from said first additional-information extraction means, and an extraction output from said second additional-information extraction means.

Claim 25. (Cancelled).

Claim 26. (Currently Amended) The information signal processing apparatus according to claim ~~25~~ 21, wherein the first information signal comprises a video signal, and the second information signal comprises an audio signal, and said additional-information overwriting means overwrites only the second additional information superimposed on the second information signal.

Claim 27. (Cancelled).

Claim 28. (Cancelled).

Claim 29. (Previously Presented) The information signal processing apparatus according to claim 21, wherein the first additional information and the second additional information are superimposed on the first information signal and the second information signal, respectively, as digital watermark information, said first additional-information extraction means extracts the first additional information superimposed on the first information signal as the digital watermark information, said second additional-information extraction means extracts the second additional information superimposed on the second information signal as the digital watermark information, and said control means performs the copyright protection operation on at least one of the first information signal and the second information signal, based on the detected additional information, when only one of the first additional information and the second additional information is detected from one of said first additional-information extraction means and said second additional-information extraction means, respectively.

Claim 30. (Previously Presented) The information signal processing apparatus according to claim 29, further comprising:

first signal detection means for detecting the presence of a first information signal;

second signal detection means for detecting a presence of the second information signal; and

signal determining means for determining whether the first additional information and the second additional information are not detected because of the absence of the first information signal and the second information signal, respectively, based on detection outputs from said first signal detection means and said second signal detection means.

Claim 31. (Previously Presented) The information signal processing apparatus according to claim 21, wherein the first additional information and the second additional information are superimposed on the first information signal and the second information signal, respectively, as digital watermark information, said first additional-information extraction means extracts the first additional information superimposed on the first information signal as the digital watermark information, said second additional-information extraction means extracts the second additional information superimposed on the second information signal as the digital watermark information, and said control means performs the copyright protection operation by determining that neither the first additional information nor the second additional information is detected from the first information signal and the second information signal when one of the first additional

information and the second additional information is not detected from one of said first additional-information extraction means and said second additional-information extraction means, respectively, and when the other additional information is unstably detected in one of said first additional-information extraction means and said second additional-information extraction means.

Claim 32. (Previously Presented) The information signal processing apparatus according to claim 21, further comprising reading means for reading the first information signal having the first additional information and the second information signal having the second additional information from a recording medium, wherein said control means performs the copyright protection operation on the first information signal and the second information signal based on information indicating a type of recording medium on which the first information signal and the second information signal are recorded.

Claim 33. (Cancelled).

Claim 34. (Cancelled).

Claim 35. (Cancelled).

Claim 36. (Cancelled).

Claim 37. (Cancelled).

Claim 38. (Cancelled).

Claim 39. (Cancelled).

Claim 40. (Cancelled).

Claim 41. (Cancelled).

Claim 42. (Cancelled).

Claim 43. (Cancelled).

Claim 44. (Cancelled).

Claim 45. (Cancelled).